

--ABSTRACT OF THE DISCLOSURE

The invention relates to condensation cross-linked dental materials based on alkoxysilyl-functional polyethers and at least one catalyst, the catalyst consisting of a salt and at least one anion of a saturated and/or unsaturated (cyclo)aliphatic carboxylic acid. The salt is formed from at least one cation selected from the group consisting of: complexes of alkali metal cations or ammonium cations and crown ethers and/or cryptands; tetraalkyl-, tetraaryl-, trialkylaryl-, dialkyldiaryl-, and monoalkyltriaryl-ammonium cations, tetraalkyl-, tetraaryl-, trialkylaryl-, dialkyldiaryl-, and monoalkyltriaryl-phosphonium cations, tetraalkyl-, and monoalkyltriaryl-stibonium cations; cations formed by the protonation of a base with a pK_{BH^+} value of at least 20, measured in acetonitrile; and combinations of the complexes and cations. The carboxylic acid is a branched carboxylic acid, whose alkyl chain that is provided on the carboxyl group has a length of at least 2 carbon atoms or an unbranched carboxylic acid, whose alkyl chain that is provided on the carboxyl group has a length of at least 4 carbon atoms.--